

extending from the base portion to form a substantially concave structure,

the base portion and the ~~at least one~~ two lateral side ~~including sides being formed between~~ an upper surface layer and a lower surface layer bounding an interior space,

said ~~at least one~~ two opposed lateral side sides projecting above a plane containing said base portion to form an elevated ~~sidewall~~ sidewalls of the air cushion and forming a substantially U-shape cushioning capability with the base portion for distributing shock forces delivered to at least one of the plurality of interconnected air chambers at one of the two side wall walls and distributing the shock forces throughout a remainder of the plurality of interconnected air chambers including the base portion.

2. (Currently Amended) A three dimensional air cushion comprising:

~~at least one~~ a plurality of interconnected air chamber chambers having a sealed peripheral edge,

said ~~at least one~~ plurality of interconnected air chamber including chambers defining a base portion and two opposed substantially vertical lateral sides located on opposite sides of the base portion to form a concave structure,

the base portion and the two lateral sides including  
being formed between an upper surface layer and a lower surface  
layer bounding an interior space,

said two opposed lateral sides projecting above a plane  
occupied by containing said base portion to form elevated sidewalls  
of the air cushion and forming a U-shape cushioning capability with  
the base portion for distributing shock forces delivered to the at  
least one of the plurality of interconnected air chambers at one of  
the two sidewalls and distributing the shock forces throughout a  
remainder of the plurality of interconnected air chambers including  
the base portion, and

an inner surface area of said air cushion defined by said  
upper surface layer being smaller than an outer surface area of  
said air cushion defined by said lower surface layer.

3. (Previously Presented) A three dimensional air  
cushion comprising:

at least one a plurality of interconnected air chamber  
chambers having a sealed peripheral edge,

said at least one plurality of interconnected air  
chamber including chambers defining a base portion and at least one  
two opposed lateral side sides located on opposite sides of and  
extending from at least one side of the base portion to form a  
substantially concave structure,

the base portion and the two lateral side including  
sides being formed between an upper surface layer and a lower  
surface layer bounding an interior space,

said at least are two opposed lateral side sides  
projecting above a plane containing said base portion to form an  
elevated sidewall sidewalls of the air cushion and forming a  
substantially U-shape cushioning capability with the base portion  
for distributing shock forces delivered to at least one of the  
plurality of interconnected air chambers at one of the sidewall two  
sidewalls and distributing the shock forces throughout a remainder  
of the plurality of interconnected air chambers including the base  
portion; and

at least one recess extending from at least one of said  
upper surface layer and said lower surface layer and separating  
portions of said plurality of interconnected air chamber chambers.

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) The three dimensional air cushion as claimed in claim 1, wherein said ~~at least one~~ plurality of interconnected air chambers ~~is~~ chambers are sealed.

8. (Currently Amended) The three dimensional air cushion as claimed in claim 2, wherein said ~~at least one~~ plurality of interconnected air chambers ~~is~~ chambers are sealed.

9. (Currently Amended) The three dimensional air cushion as claimed in claim 3, wherein said ~~at least two~~ plurality of interconnected air chambers are sealed.

10. (Currently Amended) The three dimensional air cushion as claimed in claim 1, wherein said plurality of interconnected air chambers ~~has~~ chambers have a one-way valve to communicate with open air.

11. (Currently Amended) The three dimensional air cushion as claimed in claim 2, wherein said plurality of interconnected air chambers ~~has~~ chambers have a one-way valve to communicate with open air.

12. (Currently Amended) The three dimensional air cushion as claimed in claim 3, wherein said plurality of

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interconnected air chambers have a one-way valve to communicate with open air.

13. (Previously Presented) The three dimensional air cushion as claimed in claim 1, wherein the upper surface layer is provided with at least one recessed elongated groove and the lower surface layer is flat and smooth.

14. (Previously Presented) The three dimensional air cushion as claimed in claim 2, where the upper surface layer is provided with at least one recessed elongated groove and the lower surface layer is flat and smooth.

15. (Previously Presented) The three dimensional air cushion as claimed in claim 3, wherein the at least one recess is at least one recessed elongated groove in the upper surface layer and the lower surface layer is flat and smooth.

16. (Previously Presented) The three dimensional air cushion as claimed in claim 1, wherein the lower surface layer is provided with at least one recessed elongated groove, and the upper surface layer is flat and smooth.

17. (Previously Presented) The three dimensional air cushion as claimed in claim 2, wherein the lower surface layer is provided with at least one recessed elongated groove, and the upper surface layer is flat and smooth.

18. (Previously Presented) The three dimensional air cushion as claimed in claim 3, wherein the at least one recess is at least one recessed elongated groove in the lower surface layer and the upper surface is flat and smooth.

19. (Previously Presented) The three dimensional air cushion as claimed in claim 1, wherein the upper surface layer and the lower surface layer are provided with at least one recessed elongated groove.

20. (Previously Presented) The three dimensional air cushion as claimed in claim 2, wherein the upper surface layer and the lower surface layer are provided with at least one recessed elongated groove.

21. (Previously Presented) The three dimensional air cushion as claimed in claim 3, wherein the upper surface layer and the lower surface layer are provided with at least one recessed elongated groove.

22. (Currently Amended) The three dimensional air cushion as claimed in claim 19, wherein said at least one recessed elongated recessed grooves groove is provided in said upper surface layer and lower surface layer and are connected with each other.

23. (Currently Amended) The three dimensional air cushion as claimed in claim 20, where said at least one recessed elongated recessed grooves groove is provided in said upper surface layer and said lower surface layer and are connected with each other.

24. (Currently Amended) The three dimensional air cushion as claimed in claim 21, wherein said at least one recessed elongated recessed grooves groove is provided in said upper surface layer and said lower surface layer and are connected with each other.

25. (Currently Amended) The three dimensional air cushion as claimed in claim 1, wherein said air cushion is further comprising a component in one of a shoe, a sneaker, a protective pad, and a helmet, for providing a buffer and shock-absorbing effect.

26. (Currently Amended) The three dimensional air cushion as claimed in claim 2, wherein said air cushion is further

comprising a component in one of a shoe, a sneaker, a protective pad, and a helmet, for providing a buffer and shock-absorbing effect.

27. (Currently Amended) The three dimensional air cushion as claimed in claim 3, ~~wherein said air cushion is further~~ comprising a component in one of a shoe, a sneaker, a protective pad, and a helmet, for providing a buffer and shock-absorbing effect.

28. (Original) The three dimensional air cushion as claimed in claim 1, further including an inlet for filling fluid.

29. (Original) The three dimensional air cushion as claimed in claim 2, further including an inlet for filling fluid.

30. (Original) The three dimensional air cushion as claimed in claim 3, further including an inlet for filling fluid.

31. (Original) The three dimensional air cushion as claimed in claim 28, further including a valve device.

32. (Original) The three dimensional air cushion as claimed in claim 29, further including a valve device.

33. (Original) The three dimensional air cushion as claimed in claim 30, further including a valve device.

34. (Currently Amended) The three dimensional air cushion as ~~claim~~ claimed in claim 28, further including a pump device.

35. (Currently Amended) The three dimensional air cushion as ~~claim~~ claimed in claim 29, further including a pump device.

36. (Currently Amended) The three dimensional air cushion as ~~claim~~ claimed in claim 30, further including a pump device.

37. (Currently Amended) The three dimensional air cushion as claims 28, wherein said plurality of interconnected air chamber—is chambers are filled with a liquid fluid.

38. (Currently Amended) The three dimensional air cushion as claims 29, wherein said plurality of interconnected air chamber—is chambers are filled with a liquid fluid.

39. (Currently Amended) The three dimensional air cushion as claims 30, wherein said plurality of interconnected air chambers are filled with a liquid fluid.

40. (Currently Amended) The three dimensional air cushion as claimed in claim 28, wherein said plurality of interconnected air ~~chamber is~~ chambers are filled with a semi-liquid fluid.

41. (Currently Amended) The three dimensional air cushion as claimed in claim 29, wherein said plurality of interconnected air ~~chamber is~~ chambers are filled with a semi-liquid fluid.

42. (Currently Amended) The three dimensional air cushion as claimed in claim 30, wherein said plurality of interconnected air chambers are filled with a semi-liquid fluid.

43. (Currently Amended) The three dimensional air cushion as claimed in claim 28, wherein said plurality of interconnected air ~~chamber is~~ chambers are filled with a foam material.

44. (Currently Amended) The three dimensional air cushion as claimed in claim 29, wherein said plurality of

interconnected air ~~chamber~~ is chambers are filled with a foam material.

45. (Currently Amended) The three dimensional air cushion as claimed in claim 30, wherein said plurality of interconnected air chambers are filled with a foam material.

46. (Currently Amended) The three dimensional air cushion as claimed in claim 28, wherein said plurality of interconnected air ~~chamber~~ is chambers are filled with a gas other than air.

47. (Currently Amended) The three dimensional air cushion as claimed in claim 29, wherein said plurality of interconnected air ~~chamber~~ is chambers are filled with a gas other than air.

48. (Currently Amended) The three dimensional air cushion as claimed in claim 30, wherein said plurality of interconnected air chambers are filled with a gas other than air.